

What is claimed is:

- 548 B2
1. A method of inhibiting a rejection response by inducing immune tolerance in a recipient to foreign mammalian donor cells, comprising the steps of:
 - a) exposing the recipient to an immunotoxin so as to safely reduce the recipients's T-cell lymphocyte population by at least 80%; and
 - b) transplanting the donor cells into the recipient, such that a rejection response by the recipient to the donor cell is inhibited.
 2. The method of claim 1, wherein the donor cells constitute an organ.
 3. The method of claim 1, wherein the donor cells constitute tissue from an organ.
 4. The method of claim 1, wherein the donor cells are allogeneic.
 5. The method of claim 1, wherein the donor cells are xenogeneic.
 6. The method of claim 1, further comprising administering an immunosuppressant compound to enhance the anti-T cell effects of the immunotoxin.
 7. The method of claim 6, wherein the immunosuppressant compound is cyclosporin.
 8. The method of claim 6, wherein the immunosuppressant compound is mycophenolate mofetil.

-

